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Autran et al.

Group Art Unit

Examiner Name

Attorney Docket Number

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SHEET 1 of 2

### U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	US-5,693,389 A	12/2/1997	Liggat	Entire document
	2	US-5,498,692 A	3/12/1996	Noda	Entire document
	3	US-4,393,167	7/12/1983	Holmes et al.	
	4	US-4,880,592	11/14/1989	Martini et al.	
	5	US-5,292,860	3/8/1994	Shiotani et al.	
	6	US-4,876,331	10/24/1989	Doi	
	7	US-5,536,564	7/16/1996	Noda	
	8	US-5,602,227	2/11/1997	Noda	
	9	US-5,685,756	11/11/1997	Noda	
	10	US-5,061,743	10/29/1991	Herring et al.	
	11	US-5,281,649	1/25/1994	Organ et al.	
	12	US-5,516,565	5/14/1996	Matsumoto	
	13	US-5,231,148	7/27/1993	Kleinke et al.	
	14	US-5,550,173	8/27/1996	Hammond et al.	
	15	US-4,537,738	8/27/1985	Holmes	
	16	US-5,578,382	11/26/1996	Waddington	
	17	US-5,138,029 (equivalent to EP 466 050)	8/11/1992	Nishioka et al..	
	18	US-5,624,249 (equivalent to WO 94/27049)	4/29/1997	Rohlfing	

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	19	WO 02/28969 A	4/11/2002	Procter & Gamble	Entire document	
	20	EP 440 165 A2 (abstract only provided)	8/7/1991	Showa Denko KK		
	21	GB 1,139,528	1/8/1969	Binsbergen		
	22	JP 63 172 762 (abstract only provided)	7/16/1988	Mitsubishi Rayon KK		
	23	WO 96/09402	3/28/1996	Zeneca Limited		
	24	WO 94/17121	8/4/1994	Zeneca Limited		
	25	WO 94/28047	12/8/1994	Zeneca Limited		
	26	WO 94/27048	11/24/1994	Disogyori Szivatilyugyar KFT		

## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MM	27	Organ, B., <i>Phase separation in a blend of poly(hydroxybutyrate) with poly (hydroxybutyrate-co-valerate)</i> , Polymer, Vol. 34, No. 3, 1993, pp. 459-467	
MM	28	Wthey, H., <i>The effect of seeding on the crystallization of poly(hydroxybutyrate) and co-poly(hydroxybutyrate-co-valerate)</i> , Polymer, Vol. 40, 1999, pp. 5147-5152	
MM	29	Mater, J., <i>Nucleation behavior of poly-3-hydroxybutyrate</i> , Sci. 19, p. 3826, (1984)	
MM	30	Mater, J., Sci. 27, p. 3239 (1992)	
MM	31	Hobbs, et al., <i>The effect of water on the crystallization of thin films of poly(hydroxybutyrate)</i> , Polymer (1997) 38, #15, pp. 3879-3883	
MM	32	Marchessault et al., <i>Biorefinery polymers in search of applications</i> , Makromol. Chem., Makromol. Symp. 19, p. 235-254 (1988)	
MM	33	Horowitz et al., <i>Phase separation within artificial granules from a blend of polyhydroxybutyrate and polyhydroxyoctanoate: biological implications</i> , Polymer (1994) 35, , #23, pp. 5079-5083	
MM	34	deKoning et al., <i>Crystallization phenomena in bacterial poly(R)-3-hydroxybutyrate]: 2. Embrittlement and rejuvenation</i> , Polymer (1993) 34, #19, pp. 4089-4094	
MM	35	deKoning et al., <i>Crystallization phenomena in bacterial poly(R)-3-hydroxybutyrate]: 3. Toughening via texture changes</i> , Polymer (1994) 35, # 21 pp. 4598-4605	
MM	36	Biddlestone et al., <i>The Physical Ageing of Amorphous Poly(hydroxybutyrate)</i> , Polymer International 39, (1996) pp. 221-229	

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